

PRODUCT INFORMATION NAVIGO TPEO

Description

NAVIGO TPEO is a range of extra high quality detergent trunk piston engine oils containing different levels of alkalinity.

Application

NAVIGO TPEO is a range of extra high quality detergent lubricants recommended for highly rated, medium speed trunk piston engines running on residual fuel with a maximum sulphur content of 4.5% weight. The total alkaline content has to be in line with fuel sulphur content, oil consumption rate, size of oil charge and operating load profile. Hence the BN level ranges from 20mgKOH/g for some diesel generators running mainly a part load profile up to 50 and 55mgKOH/g for engines with very low oil consumption.

The detergency level offers exceptional cleanliness including piston undercrown. It is also suitable for plain bearings of turbochargers, for most reduction gears, shaft bearings, stern tube and seals.

Features/Advantages and Benefits

- Outstanding thermal- and oxidation stability and excellent detergency and dispersancy
 - o Exceptional deposit control including oil-cooled piston undercrown
 - o Leads to clean engine parts and spaces
 - o Good viscosity- and insoluble control
 - o Optimized oil consumption and longer oil change intervals
- Extended oil life due to efficient water separating properties and BN retention
- Rust- and corrosion properties
- Excellent wear protection, including piston grooves
- Approved by major engine manufacturers

Typical Characteristics

Grade Name	Pour point , °C	Flash point (CoC), °C, min	Viscosity at 100°C, mm ² /s	SAE	Base number, mg KOH/g
NAVIGO TPEO 20/30	-6	230	11.5	30	20
NAVIGO TPEO 20/40	-6	230	14.5	40	20
NAVIGO TPEO 30/30	-6	230	11.5	30	30
NAVIGO TPEO 30/40	-6	230	14.5	40	30

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Grade Name	Pour point , °C	Flash point (CoC), °C, min	Viscosity at 100°C, mm ² /s	SAE	Base number, mg KOH/g
NAVIGO TPEO 40/40	-6	230	14.5	40	40
NAVIGO TPEO 50/40	-6	230	14.5	40	50
NAVIGO TPEO 55/40	-6	230	14.5	40	55

Health and Safety

The Safety Data Sheet is available on request and describes the product from the points of view of safety in use, handling and transport. The product is not classified as dangerous according to the provisions of the Regulation 1907/2006, and of the Directives D67/548/CEE and 1999/45/CE, respectively. Under normal use conditions, this product does not pose significant risks for the health. Repeated exposure may cause skin drying or cracking. Immediately wash with plenty of water and soap the area that came in contact with the product. Remove contaminated clothes.

Handling and Packaging

The compatibility and miscibility with comparable products other suppliers have been tested successfully by an independent institute. In order to achieve full scale benefits of product performance the mixing of lubricants should be limited to its minimum.

The condition of trunk piston engine oils should be continuously filtered in accordance with equipment manufacturers' instructions. The service life can be prolonged if the oil is maintained by a centrifugal purifier to remove any water or insoluble components. Nevertheless the oil change intervals of the equipment manufacturer are mandatory.

The products are available in bulk and drums of approximately 205 liters.

Further Information

For further information about LUKOIL Marine Lubricants please contact any representative of LUKOIL Marine Lubricants or visit our web site www.lukoilmarine.com.

LUKOIL Marine Lubricants Ltd. February 2010

This data sheet and the information given are considered to be accurate to the best of our knowledge. While the physical and chemical characteristics are typical of current production and compliant to specification of «LLK International», variations in these characteristics may occur. No warranty expressed or implied, is given as to the accuracy or completeness of the information or suitability of the products.

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